

REMARKS

This is a Request for Reconsideration in response to the Final Office Action mailed December 30, 2005, in which a two (2) month Shortened Statutory Period for Response expired on February 28, 2006. The three (3) month due date for responding to this Final Office Action is set to expire on March 30, 2006. Twenty-six (26) claims, including five (5) independent claims, were paid for in the application. Claims 6, 8, 11, 15, and 26 are currently amended. New claims 28-38 have been added. No claims have been canceled in this Amendment. No new matter has been added to the application. No fee for additional claims is due by way of this Amendment. The Director is authorized to charge any fees due by way of this Amendment, or credit any overpayment, to our Deposit Account No. 19-1090. Claims 2-6, 8-9, 11, 14-17, and 26-38 are pending.

Rejections Under 35 U.S.C. § 102(b)

The Examiner has rejected claims 2-6, 8-9, 11, 14-17, and 26-27 under 35 U.S.C. §102(b) as allegedly being anticipated by U.S. Patent No. 5,159,220 to Kliman. Of the rejected claims, claims 8, 15, and 26 are independent claims. Applicants respectfully traverse the rejections.

Kliman teaches a rotor assembly for an internal permanent magnet rotor constructed with an internal core and a continuous external core where both cores are made from stacked laminations (Abstract). The permanent magnets are placed in slots formed through the stacked laminations between the internal and external cores (Abstract). The magnets are folded in the radial plane to form a substantially W-shaped arrangement (Abstract). In addition, Kliman teaches that the magnets 14A-14D can be secured in the rotor by filling slots 15A-15D with a potting compound during casting, inserting wedges between the magnet surface and an adjacent surface of the respective slot, and/or abutting the ends of the magnets that form the W-shaped arrangement against one another (column 5, lines 32-33; column 6, lines 4-6, lines 38-45; Figures 1 and 4).

As amended herein, claim 8 recites, *inter alia*, “each of the number of the magnet slots segmented by a portion of the rotor core that protrudes at least partially into the magnet slot.” The portion of the rotor core that protrudes at least partially into the magnet slot may

advantageously provide a perpendicular wedging force on the permanent magnet 16 located in the rotor slot 18 (page 8, line 11, of the Application). In contrast, Kliman does not teach, suggest, or provide any motivation for having any portion of the rotor extend or protrude into the slots that receive the permanent magnets. For a proper rejection of a claim under 35 U.S.C. § 102, the cited reference must disclose all elements/features/steps of the claim. See, e.g., *E.I. du Pont de Nemours & Co. v. Phillips Petroleum Co.*, 849 F.2d 1430, 7 USPQ2d 1129 (Fed. Cir. 1988). Accordingly, claim 8 is allowable over Kliman. In addition, claims 2-6, 9, 11, and 28-31, which depend from claim 8, are allowable because they depend from an allowable base claim. See, e.g., *In re Fine*, 837 F.2d 1071 (Fed. Cir. 1988).

For the reasons expressed above regarding the allowability of claim 8, independent claims 15 and 26 are also allowable over Kliman. In particular, claim 15 recites, *inter alia*, “the opposed end portions separated from the central portion by portions of the rotor that protrude at least partially into the slot” and claim 26 recites, *inter alia*, “a portion of the lamination layer protruding at least partially into the internal slot between the elongate portion and the at least one expanded bulbous end portion.” Kliman does not teach, suggest, or provide any motivation for the aforementioned features. Accordingly, independent claims 15 and 26 are allowable over Kliman. In addition, claims 14, 16-17, and 32-33, which depend from claim 15, and claims 27 and 34, which depend from claim 26, are allowable because they depend from an allowable base claim. See, e.g., *In re Fine*, 837 F.2d 1071 (Fed. Cir. 1988).

New Claims

In addition to the above, Applicants have submitted new claims 35-38 to obtain coverage of additional embodiments. No new subject matter has been added. Support for the new claims can be found generally in Figures 1B, 2, and 4 and in the written description. Although the language of these new claims may differ from the language of claims 2-6, 8-9, 11, 14-17, and 26-38, the allowability of claims 35-38 will be apparent in view of the above remarks.

Conclusion

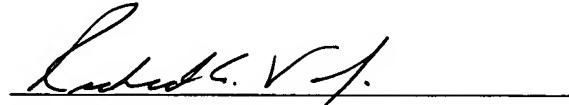
Overall, the cited references do not singly, or in any motivated combination, teach or suggest the claimed features of the embodiments recited in independent claims 8, 15, 26, and

35, and thus such claims are allowable. Because the remaining claims depend from the allowable independent claims, and also because they include additional limitations, such claims are likewise allowable. If the undersigned attorney has overlooked a relevant teaching in any of the references, the Examiner is requested to point out specifically where such teaching may be found.

In light of the above amendments and remarks, Applicants respectfully submit that all pending claims are allowable. Applicants, therefore, respectfully request that the Examiner reconsider this application and timely allow all pending claims. Examiner Preston is encouraged to contact Mr. Vershave by telephone to discuss the above and any other distinctions between the claims and the applied references, if desired. If the Examiner notes any informalities in the claims, the Examiner is encouraged to contact Mr. Vershave by telephone to expediently correct such informalities.

Respectfully submitted,

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